



CAS Registry Number: 500-65-2
Type of Compound Code(s): VG4000
Molecular Formula: C₁₅H₁₄O₄
Molecular Weight: 258.273
Accurate Mass: 258.08921
Percentage Composition: C 69.76%; H 5.46%; O 24.78%
Biological Source: Isol. from rhizomes of *Rheum undulatum*
Melting Point: Mp 186-187°

>> **Derivative:** 4'-Me ether, 3''-O-β-D-glucopyranoside
Synonym(s): Rhapontin. Rhaponticin. Ponticin

CAS Registry Number: 155-58-8
Type of Compound Code(s): VG4000
Molecular Formula: C₂₁H₂₄O₉
Molecular Weight: 420.415
Accurate Mass: 420.142035
Percentage Composition: C 60.00%; H 5.75%; O 34.25%
Biological Source: Isol. from seeds of *Rheum rhaponticum*, *Rheum emodi* and *Eucalyptus sideroxylon*
Melting Point: Mp 236-237 dec.°
Optical Rotation: [α]_D³² -59.5 (Me₂CO)
Aldrich: 23052-9
Rare Chemicals Library: S41004-7
Sigma: R7753

>> **Derivative:** 4'-Me ether, 3'-O-[4-hydroxy-*E*-cinnamoyl-(→6)-β-D-glucopyranoside]
Synonym(s): 6''-O-*p*-Coumaroylrhaponticin

CAS Registry Number: 124530-57-0
Type of Compound Code(s): VG0060 VG4000
Molecular Formula: C₃₀H₃₀O₁₁
Molecular Weight: 566.56
Accurate Mass: 566.178815
Percentage Composition: C 63.60%; H 5.34%; O 31.06%
Biological Source: Constit. of *Eucalyptus rubida*
Biological Use/Importance: Shows repellent activity against the mussel *Mytilus edulis*
Physical Description: Needles
Melting Point: Mp 146-148°
Optical Rotation: [α]_D²⁵ -104 (c, 0.6 in MeOH)
UV: [neutral] λ_{max} 318 (ε 47000) (MeOH)

>> **Derivative:** 4'-Me ether, 3''-O-[α-L-rhamnopyranosyl-(1→6)-β-D-glucopyranoside]

CAS Registry Number: 113021-33-3
Type of Compound Code(s): VG4000
Molecular Formula: C₂₇H₃₄O₁₃
Molecular Weight: 566.558
Accurate Mass: 566.199945
Percentage Composition: C 57.24%; H 6.05%; O 36.71%
Biological Source: Constit. of the heartwood of *Guibourtia coleosperma*

>> **Derivative:** 3',3''-Di-Me ether
Synonym(s): 1-(3-Hydroxy-5-methoxyphenyl)-2-(4-hydroxy-3-methoxyphenyl)ethylene. 3',4-Dihydroxy-3,5'-dimethoxystilbene

CAS Registry Number: 135546-06-4
Type of Compound Code(s): VG4000
Molecular Formula: C₁₆H₁₆O₄
Molecular Weight: 272.3
Accurate Mass: 272.10486
Percentage Composition: C 70.58%; H 5.92%; O 23.50%
Biological Source: Constit. of *Cassia didymobotrya*
Melting Point: Mp 150-152°